## **CLAIMS**

)	C/ What i	is claimed is:		
54 b	1.	A system comprising:		
2		a digitizer capable of collecting three-dimensional data about an object;		
3		an orientation fixture to automatically reposition the object from a first		
4	orientation to	tation to a second orientation to expose a first aspect and a second aspect of the		
5	object relative to the digitizer; and			
6		a controller to coordinate the automatic repositioning with data		
Ū I	capture by th	e digitizer;		
		wherein the orientation fixture and the digitizer are physically		
	independent units.			
	2.	The system of claim 1 wherein at least one of the digitizer and the		
<u> </u> 2	orientation fixture is capable of automatically locating the relative position of the			
	other.			
1	3.	The system of claim 1 wherein the digitizer is capable of automatic		
2	calibration.			
1	4.	The system of claim 1 further comprising:		
2		a host to process the three-dimensional data to render a three-		
3	dimensional i	representation of at least a portion of the object.		

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1	5.	The system of claim 4 wherein the host comprises:
2		a distributed network interface, the interface to transmit the three-
3	dimensional	I representation to a remote user node.
1	6.	The system of claim 4 wherein the digitizer communicates with the
2	host over a	wireless link.
1	7.	The system of claim 1 wherein the digitizer communicates with the
2 □	orientation	fixture over a wireless link.
	8.	The system of claim/1 wherein the orientation fixture comprises: a self contained power source.
	9.	The system of claim 1 wherein the digitizer comprises: a self contained power source.
	10.	The system of claim 1 wherein the orientation fixture comprises:
2		a distinctive feature that permits the digitizer to acquire the orientation
3	fixture by so	canning an area for the distinctive feature.
1	11. /	The system of claim 1 wherein the orientation fixture comprises:
2	a loca	lized energy source that permits the digitizer to acquire the orientation
3	fixture.	
1	12.	The system of claim 1 wherein the orientation fixture is a turntable.

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1	13.	A system comprising:	
2		a digitizer having a linear image sensor to collect three-dimensional	
3	data about an object;		
4	,	an orientation fixture to automatically reposition the object from a first	
5	orientation to a second orientation to expose a first aspect and a second aspect of the		
6	object relative to the digitizer, wherein the digitizer and orientation fixture are		
7	integrally coupled as a single unit; and		
8		a controller to coordinate the automatic repositioning with data	
9	capture by t	he digitizer.	
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	14.	The system of claim 13 wherein the digitizer is capable of automatic	
2	calibration.		
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	15.	The system of claim 13 comprising:	
<u>L</u> 2		a host to process the three-dimensional data to render a three-	
	dimensional	representation of at least a portion of the object.	
1	16.	The system of claim 15 wherein the host comprises:	
2		a distributed network interface, the interface to transmit the three-	
3	dimensional	representation to a remote node.	
1	17.	The system of claim 15 wherein the single unit communicates with the	
2	host over a	wireless link.	

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1	18.	The system of claim 13 wherein the single unit comprises:
2		a self contained power source.
1	19.	The system of claim 13 wherein the orientation fixture is a turntable.
1	20.	A method comprising:
2		receiving a request over a distributed network to authorize operation
3	of a lockable	e image capture system at a node remote from the image capture system
4	and coupled	to the distributed network; and
		sending an authorization data to the image capture system across the
<b>4</b> 6	distributed r	network such that the image capture system is unlocked and enabled to
	capture an ii	mage.
	21.	The method of claim 20 wherein the image capture system performs
	three-dimen	sional imaging.
1	22.	The method of claim 20 further comprising:
2		reprogramming a reconfigurable array of logic of the image capture
3	system from	a remote rode.
1	23.	A method comprising:
2		capturing image data in an image capture device coupled to a
3	distributed r	network;

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4		preventing access to the image data by a local user until an
5	authorization is received; and	
6		allowing access to the image data upon receipt of the authorization
7	from a remo	ote node on the distributed network.
1	24.	The method of claim 23 wherein preventing access comprises:
2		encrypting the image data with an algorithm that can be decrypted with
3	information	from the remote node.
1	25.	The method of claim 24 wherein preventing access further comprises:
		disabling local storage of the encrypted image data.
± ¶	26.	The method of 24 further comprising:
4.47 1.5. to 1.4.4.1.		uploading the encrypted image data to the remote node.
	27.	A system comprising:
2		a digitizer capable of collecting three-dimensional data about an object;
3		an orientation fixture to automatically reposition the object from a first
4	orientation t	o a second orientation to expose a first aspect and a second aspect of the
5	object relativ	ve to the digitizer;
6		a controller to coordinate the automatic repositioning with data
7	collection by	the digitizer; and
8		a data analyzer to identify points of interest in the data collected
9	wherein the	digitizer and orientation fixture automatically rescan a portion of the

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- 10 object corresponding to a point of interest identified and a three-dimensional model
- of a portion of the object is adjusted based on the rescan.
  - 1 28. The system of claim 27 wherein the rescan is conducted at a higher
  - 2 resolution than a resolution of an original scan.
  - 1 29. The system of claim 27 wherein the rescan is conducted using a

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2 different capture method.

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